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## TECH CENTER 1600/2900



D#5 1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/573,630A

DATE: 04/25/2002

TIME: 09:10:09

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Output Set: N:\CRF3\04252002\1573630A.raw

## **ENTERED**

			PPLI:								OUT	ER M	EMBR	ANE	PROT:	EIN	AND	GENE	SEOUENCE
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8	<130	<130> FILE REFERENCE: 4100.001700																	
10	<140	<140> CURRENT APPLICATION NUMBER: 09/573,630A																	
11	<141> CURRENT FILING DATE: 2000-05-17																		
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16	<160> NUMBER OF SEQ ID NOS: 6																		
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			AME/																
			OCAT			(1	047)												
			EQUE																
	_		_	_	_		-		-	_		_	_	-	cct			48	
		Lys	Met	Ser	-	тте	Ala	Leu	Ата		Leu	Val	Ата	Ата	Pro	Pne	<del>)</del>		
32					5					10					15			0.0	
	-	_	_		-		-		-		_	_	_	_	ggg			96	
	Ala	Ата	Ата		Ата	GTA	vaı	Tnŗ		Thr	Pro	Leu	мет		Gly	туг	•		
36	+			20			+		25		~~+	+	~-+	30	~~~	a++		144	
				_		-							-		gaa Glu			144	
40	1111	Pile	35	АБР	1111	GIII	птэ	40	ASII	ASII	СТУ	ASII	45	СТУ	GIU	пес			
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															Ala			1,2	
44	1 111	50	Dei	110	GIU	пси	55	кар	изр	пси	LIIC	60	O <sub>1</sub>	mu	11±u	110	•		
	aat		αаа	tta	act	cct		tta	aat	+++	σаа		σаа	tat.	agc	caa	1 2	240	
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48	65		02.4			70			V-1		75			-1-		80			
		αασ	aac	σat.	at.t.		aat.	act.	act	gaa		σca	gaa	tac	aaa			288	
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52		-			85		1			90				-	95	_			
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56				100	-			-	105			_		110		_			
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70 aac gat gcc tta gcg cta cgt act gaa gct cgt ggt act tac cac	
71 Asn Asp Ala Leu Ala Leu Arg Thr Glu Ala Arg Gly Thr Tyr His	
72 165 170 175 175 175 175 175 175 175 175 175 175	THE
74 gac gaa aaa ttc tgg aac tac aca gca tta gct ggt ctt aat gtt	qtt 576
75 Asp Glu Lys Phe Trp Asn Tyr Thr Ala Leu Ala Gly Leu Asn Val	
76 180 185 190	
78 cta ggt ggt cgt ctg aaa cca gct gct cca gta gtt gaa gtt gct	cca 624
79 Leu Gly Gly Arg Leu Lys Pro Ala Ala Pro Val Val Glu Val Ala	Pro
80 195 200 205	
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83 Val Glu Pro Val Thr Pro Val Ala Pro Pro Pro Gln Glu Leu Thr	Glu
84 210 215 220	700
86 gac ctg aac atg gaa ctt cgt gtt ttt ttc gac act aac aaa agc	
87 Asp Leu Asn Met Glu Leu Arg Val Phe Phe Asp Thr Asn Lys Ser 88 225 230 235	240
90 atc aaa gat caa tac aaa cca gaa atc gct aaa gtt gct gag aag	•
91 Ile Lys Asp Gln Tyr Lys Pro Glu Ile Ala Lys Val Ala Glu Lys	
92 245 250 255	LCu
94 gtt gaa tat cca aac gct act gct cgt atc gaa ggt cac act gac	aac 816
95 Val Glu Tyr Pro Asn Ala Thr Ala Arg Ile Glu Gly His Thr Asp	
96 260 265 270	
98 act ggt cca cgt gca cta aac gaa cgt tta tct cta gca cgt gct	
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102 tct gtt aaa tct tcg ctt gta aat gaa tac aat gtt gat gca tct	
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104 290 295 300	222 060
106 ttg tct act caa ggt ttc gct tgg gat caa ccg att gct gac aac 107 Leu Ser Thr Gln Gly Phe Ala Trp Asp Gln Pro Ile Ala Asp Asn	
108 305 310 315	320
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135   50					-							_			_		
135   50	134	Thr	Ser	Ser	Pro	Glu	Leu	Gln	Asp	Asp	Leu	Phe	Val	Gly	Ala	Ala	Ile
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149		non	- 1 -	-	UCI	цуз	var	1,5		- 1 -	1100	пси	пси	_			1110
150		ጥ፣ረም	Luc		Glu	Dho	Glu	G1v		Dro	Δτα	G1 v	Thr		Glv	Δcn	Glu
152   Glu Glu Glu Glu Fhr Leu Gly Asn Ala Gly Val Gly Ala Phe Trp His Ile		1 Y 1	_	1 Y L	Giu	FIIC	GIU	_	Vul	110	nry	GLY		nig	GLY	N311	GIU
153 145		Clu		C1 17	Thr	T 011	C117		α1 م	C157	Val	C1 v		Dha	Ψтъ	шie	Tlo
155   Asn   Asp   Ala   Leu   Ala   Leu   Arg   Thr   Glu   Ala   Arg   Gly   Thr   Tyr   His   Phe   175			Giu	ату	1111	пеп		NSII	лта	СТУ	Vai		пти	riic	111	1113	
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158		ASII	ASP	Ата	ьeu		Leu	AIG	1111	GIU		Arg	СТУ	1111	TYL		FIIE
185		7	a1	T	Dh.		7	M	mh	x 1 a		7. T. n.	<b>61</b>	T 0.11	N a n		
161 Leu Gly Gly Arg Leu Lys Pro Ala Ala Pro Val Val Glu Val Ala Pro 162		ASP	GIU	гăг		тър	ASII	IÀI	TIII		Leu	Ата	СТУ	Leu		Val	vai
162	-	T	<b>a</b> 1	<b>01</b>		T	T	D	31.		Dma	17a 1	17a 1	<b>61</b>		210	Dwo
164 Val Glu Pro Val Thr Pro Val Ala Pro Pro Pro Gln Glu Leu Thr Glu 165		ьeu	GIY	_	Arg	ьeu	гуѕ	PIO		Ата	PIO	vaı	Val		vai	нта	PIO
165		*** 1	a1		vv. 1	m1	n	17 1		D	D-0-0	D	<b>C1</b> -		T	mbs	C1
167 Asp Leu Asn Met Glu Leu Arg Val Phe Phe Asp Thr Asn Lys Ser Asn 240 170 Ile Lys Asp Gln Tyr Lys Pro Glu Ile Ala Lys Val Ala Glu Lys Leu 255 173 Val Glu Tyr Pro Asn Ala Thr Ala Arg Ile Glu Gly His Thr Asp Asn 260 176 Thr Gly Pro Arg Ala Leu Asn Glu Asn Glu Tyr Asn Val Ala Arg Ala Asn 275 177 Ser Val Lys Ser Ser Leu Val Asn Glu Tyr Asn Val Asp Asp Ala Ser Arg 180 180 290		vaı		PIO	Val	THE	PIO		Ата	PIO	PIO	PIO		GIU	ьец	TIII	GIU
168 225				<b>.</b>	11 - L	<b>01</b>	T		17- 1	nh -	nh -	1		<b>3</b>	T	C	3
170			Leu	ASn	мет	GIU		Arg	vaı	Pne	Pne		Thr	ASII	гуз	ser	
171			<b>T</b>		<b>a</b> 1	<b></b>		D	<b>a</b> 1	<b>T1</b> -	31-		17- 1		<b>a</b> 3	T	
173 Val Glu Tyr Pro Asn Ala Thr Ala Arg Ile Glu Gly His Thr Asp Asn 174		TTE	ьуs	Asp	GIn	_	гаг	Pro	GIU	тте		ràs	vaı	Ата	GIU		Leu
174		17- 7	<b>a</b> 1	m	D			m b	3 7 <b>-</b>	3		<b>a</b> 1	<b>a</b> 1	77.2 -	m b		3.00
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177		m1.	<b>~</b> 1	<b>.</b>			<b>.</b>	•	<b>a</b> 1		<b>T</b>		<b>T</b>	. 1 -		.1.	3
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180		~			_	<b>a</b>		**- 1		<b>a</b> 1	m	•	** - 7			<b>~</b>	
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